



Robert Greene Sterne  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Horner  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr  
Michael V. Messinger  
Judith U. Kim

Patrick E. Garrett  
Jeffrey T. Helvey  
Heidi L. Kraus  
Eldora L. Ellison  
Thomas C. Fiala  
Donald R. Banowitz  
Peter A. Jackman  
Jeffrey S. Weaver  
Brian J. Del Buono  
Edward W. Yee  
Vincent L. Capuano  
Virgil Lee Beaton  
Theodore A. Wood  
Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham  
Rae Lynn P. Guest  
Daniel A. Klein

Jason D. Eisenberg  
Michael D. Specht  
Tracy L. Muller  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longworth  
Lori A. Gordon  
Laura A. Vogel  
Bryan S. Wade  
Bashir M.S. Ali  
Shannon A. Carroll  
Matthew E. Kelley  
Michelle K. Holoubek  
Marsha A. Rose

Christopher J. Walsh  
W. Blake Coblenz  
James J. Pohl  
Young Tang  
John T. Haran  
Mark W. Rygiel

**Registered Patent Agents\***  
Karen R. Markowicz  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Victoria S. Rutherford  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee  
Scott M. Woodhouse

Liliana Di Nola-Baron  
Peter A. Socarras  
Jeffrey K. Mills  
Danielle L. Letting  
Lori Brandes

**Of Counsel**  
Edward J. Kessler  
Kenneth C. Bass III  
Marvin C. Guthrie

\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Practice Limited to  
Federal Agencies

May 24, 2006

**WRITER'S DIRECT NUMBER:**  
(202) 772-8675  
**INTERNET ADDRESS:**  
JHELVEY@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Mail Stop Issue Fee**

Re: Allowed U.S. Utility Patent Application  
Appl. No. 09/739,349; Filed: December 15, 2000  
For: **Digital IF Demodulator for Video Applications**  
Inventors: Vorenkamp *et al.*  
Our Ref: 1875.1010001

Sir:

In response to the **Notice of Allowance and Fee(s) Due** dated February 24, 2006, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office:

1. Issue Fee Transmittal (Form PTOL-85B);
2. Credit Card Payment Form (PTO-2038) for \$1,709.00 to cover:  
\$1,400.00 Issue Fee;  
\$ 300.00 Publication Fee; and  
\$ 9.00 Advance copies of patent;
3. Submission of Drawings;
4. 5 sheets of Replacement drawings (Figs. 81, 82, 83, 84A, 84B, 84C, 84D and 85), approval of which is respectfully requested; and
5. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

Commissioner for Patents  
May 24, 2006  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey T. Helvey  
Attorney for Applicants  
Registration No. 44,757

Enclosures

JTH/agj  
508220\_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Vorenkamp *et al.*

Appl. No.: 09/739,349

Filed: December 15, 2000

For: **Digital IF Demodulator for Video Applications**

Confirmation No.: 3369

Art Unit: 2614

Examiner: Tran, Trang U.

Atty. Docket: 1875.1010001

**Submission of Drawings**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Mail Stop: Issue Fee**

Sir:

Submitted herewith are 5 of Replacement drawings with Figures 81, 82, 83, 84A, 84B, 84C, 84D and 85, corresponding to the above-captioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey  
Attorney for Applicants  
Registration No. 44,757

Date: 5/24/06

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

JTH/agj  
508222\_1.DOC